

## OPEN SPACE & TRAILS CONSTRUCTION FUND

This category enables the city to acquire land for the preservation of open space and to construct multi-use trails and linear parks. FY 2011 includes carryover funds for continued improvement and renovation of the 55 acre Thunderbird Paseo Park. Examples of the work to be completed include landscape, signage and trail improvements, and replacement of trees and equipment located in the linear park.



**Project Name:** Thunderbird Paseo Park Development  
**Funding Source:** G.O. Bond  
**Fund #:** 2140  
**Project #:** 70000

## FY 2011 - 2020 Capital Improvement Plan

### Fund and Project Summary

#### 2140 - Open Space/Trails Construction Category: 20%

	<u>FY 2011:</u>	<u>FY 2012:</u>	<u>FY 2013:</u>	<u>FY 2014:</u>	<u>FY 2015:</u>	<u>FYs 16-20:</u>
<b>Estimated Beginning Balance:</b>	<b>\$920,551</b>	<b>\$520,884</b>	<b>\$522,134</b>	<b>\$524,327</b>	<b>\$527,473</b>	<b>\$530,638</b>
<b>Revenue</b>						
Bond Proceeds	0	0	0	0	0	49,600,000
G.O. Bond Investment Revenue	360	2,084	3,655	5,243	5,275	13,106
<b>Total Revenue:</b>	<b>360</b>	<b>2,084</b>	<b>3,655</b>	<b>5,243</b>	<b>5,275</b>	<b>49,613,106</b>
<b>Non-Capital Expenses</b>						
Advisor Fees	0	834	1,462	2,097	2,110	5,242
<b>Total Non-Capital Expenses:</b>	<b>0</b>	<b>834</b>	<b>1,462</b>	<b>2,097</b>	<b>2,110</b>	<b>5,242</b>
<b>Capital Project Expenses</b>	<u>Carryover</u>	<u>New Funding</u>				
<b>Existing Assets</b>						
<i>Improvement of Existing Assets</i>						
70000 Thunderbird Paseo Park Develop	400,027	0	0	0	0	1,790,686
70002 Grand Canal Linear/Reg. Dev.	0	0	0	0	0	8,374,048
T1630 Thunderbird Park Improvements	0	0	0	0	0	5,140,477
<i>Sub-Total - Existing Assets</i>	<i>400,027</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>15,305,211</i>
<b>New Assets</b>						
70003 City-Wide Trails System	0	0	0	0	0	24,749,095
70005 West Valley Multi-Modal Corrid	0	0	0	0	0	2,390,698
T1600 Multi-Use Bridge at 51st Ave.	0	0	0	0	0	431,362
T1610 WARP - Trail System	0	0	0	0	0	6,893,271
T1761 New River Bike Trail	0	0	0	0	0	367,400
<i>Sub-Total - New Assets</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>34,831,826</i>
<b>Total Capital Project Expenses:</b>	<b>400,027</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,137,037</b>
<b>Total FY 2011 Funding:</b>	<b>400,027</b>					
<b>Estimated Ending Balance:</b>	<b>\$520,884</b>	<b>\$522,134</b>	<b>\$524,327</b>	<b>\$527,473</b>	<b>\$530,638</b>	<b>\$1,465</b>

\*New Project

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** 70000 - Thunderbird Paseo Park Develop (I)

**Funding Source:** General Obligation Bonds

**Project Description:**

Park improvements and renovations to maintain this 55 acre linear park. This includes tree replacement and additions, improvements to landscaping, signage replacements, trail asphalt overlay, pedestrian/equestrian bridges, installation of emergency call stations and replacement of equipment located in the linear park.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$380,435
Construction	\$0	\$0	\$0	\$0	\$0	\$1,086,956
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$46,565
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$43,000
Arts	\$0	\$0	\$0	\$0	\$0	\$10,870
Equipment	\$0	\$0	\$0	\$0	\$0	\$90,217
Contingency	\$0	\$0	\$0	\$0	\$0	\$132,643
<b>Sub-Total New Funding</b>	\$0	\$0	\$0	\$0	\$0	\$1,790,686
<b>FY 2011 Carryover</b>	\$400,027	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$400,027</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,790,686</b>

**Operating Description:**

O and M expenses would vary based upon the specific type of future landscape improvements that are implemented. The staffing example is for PT assistance calculated at \$10.00 per hour X 2 employees at 19 hours a week each, plus inflation. Supplies & Contracts are at \$601 per acre X 50 acres plus inflation. Equipment Maintenance expenses are for regular servicing of emergency call stations. A landscape water rate is calculated at \$0.0495 per sq ft for 10 acres.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Staffing	\$0	\$0	\$0	\$0	\$0	\$122,166
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$182,067
Equip. Maint.	\$0	\$0	\$0	\$0	\$0	\$44,962
Insurance	\$0	\$0	\$0	\$0	\$0	\$3,037
Landscape	\$0	\$0	\$0	\$0	\$0	\$136,688
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$488,920</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** 70002 - Grand Canal Linear/Reg. Dev. (I)

**Funding Source:** General Obligation Bonds

**Project Description:**

Continued design, develop and enhancement of the Grand Canal Linear Park and trail from 75th Avenue to New River, and New River to Northern Avenue. Improvements would include enhanced trail segments and amenities to meet the growing demand for multi-use pathways, and align and connect the City's trail system with existing or future trails of adjacent communities or agencies, including Maricopa Association of Governments and Valley Forward. Past development projects along the Grand Canal included a partnership with the Flood Control District of Maricopa County (FCDMC). There is currently an IGA in place with the Flood Control District of Maricopa County for the future trail development from SR101 to New River to Northern Avenue.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$1,901,621
Construction	\$0	\$0	\$0	\$0	\$0	\$5,433,202
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$203,848
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$92,500
Arts	\$0	\$0	\$0	\$0	\$0	\$54,332
Equipment	\$0	\$0	\$0	\$0	\$0	\$68,245
Contingency	\$0	\$0	\$0	\$0	\$0	\$620,300
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,374,048</b>

**Operating Description:**

O and M includes one Service Worker II at \$51,655 (FY2011 salary range). Supplies and contracts include \$601 per acre x 20 acres. Utilities include maintenance of the lighting and other building maintenance related to a 1,000 sq ft restroom/storage. Building maintenance includes electrical maintenance of 50 low-level security lights in the neighborhood and community nodes. Building Maintenance includes four light poles at \$144. PC/Vehicle Replacement includes \$1,967 annually for a pick up truck, 5,000 miles x \$0.18 for maintenance, and 5,000 miles x \$0.20 for fuel. Landscape includes maintenance at \$.0927 per sq ft x 871, 200 sq ft(area of trail system), and landscape water \$.0495 sq ft x 871,200 sq ft. Water includes building water usage at \$.157 per sq ft x 1000 sq ft. Refuse includes one container at \$2,048 annually.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Staffing	\$0	\$0	\$0	\$0	\$0	\$327,461
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$76,206
Utilities	\$0	\$0	\$0	\$0	\$0	\$12,680
Bldg. Maint.	\$0	\$0	\$0	\$0	\$0	\$27,894
Equip. Maint.	\$0	\$0	\$0	\$0	\$0	\$3,654
Insurance	\$0	\$0	\$0	\$0	\$0	\$4,057
PC/Vehicle Replacement	\$0	\$0	\$0	\$0	\$0	\$23,800
Landscape	\$0	\$0	\$0	\$0	\$0	\$785,350
Water	\$0	\$0	\$0	\$0	\$0	\$995
Refuse	\$0	\$0	\$0	\$0	\$0	\$12,599
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,274,696</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** T1630 - Thunderbird Park Improvements (I)

**Funding Source:**

General Obligation Bonds

**Project Description:**

Based on the Thunderbird Conservation Park Master Plan recommendations, items to be addressed include 1) continued repair and maintenance of trails; 2) removal of invasive plant species and revegetation of the park with native plants; 3) repair and upgrade existing park elements (ramadas, restrooms); 4) remove park elements (ramadas and restrooms) from wash located at 59th Avenue that will allow for restoration of the wildlife corridor and vegetation; and 5) installation of new park elements such as ramadas, restrooms and Ranger/Visitor building.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$1,141,304
Construction	\$0	\$0	\$0	\$0	\$0	\$3,260,869
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$137,374
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$81,440
Arts	\$0	\$0	\$0	\$0	\$0	\$32,609
Equipment	\$0	\$0	\$0	\$0	\$0	\$19,565
Contingency	\$0	\$0	\$0	\$0	\$0	\$467,316
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,140,477</b>

**Operating Description:**

Staffing is a Service Worker II at \$52,941 with benefits plus inflation, Supplies/Contracts is ramada cleaning contract at \$3,000 per ramada (23) per year. Utilities at \$2.06 sq ft X 2,000 sq ft plus inflation. Building Maintenance at \$2.00 X 2,000 sq ft and 10 light poles at \$144 each; insurance for new staff at \$628 per yr; vehicle purchase and maintenance for 1/2 ton pickup; landscape maintenance at \$601 per acre X 5 acres; building water \$46 per month; refuse at \$4,092 per year.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Staffing	\$0	\$0	\$0	\$0	\$0	\$308,250
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$404,226
Utilities	\$0	\$0	\$0	\$0	\$0	\$18,025
Bldg. Maint.	\$0	\$0	\$0	\$0	\$0	\$31,675
Insurance	\$0	\$0	\$0	\$0	\$0	\$3,657
PC/Vehicle Replacement	\$0	\$0	\$0	\$0	\$0	\$31,128
Landscape	\$0	\$0	\$0	\$0	\$0	\$15,025
Water	\$0	\$0	\$0	\$0	\$0	\$3,214
Refuse	\$0	\$0	\$0	\$0	\$0	\$23,825
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$839,025</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** 70003 - City-Wide Trails System (N)

**Funding Source:** General Obligation Bonds

**Project Description:**

This fund will implement recommendations for open space acquisition, trailhead land purchases, pedestrian, bicycle and equestrian paths and trails and connectivity between areas of interest citywide that accommodates future growth and user demands.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$5,696,250
Construction	\$0	\$0	\$0	\$0	\$0	\$16,275,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$640,828
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$122,000
Arts	\$0	\$0	\$0	\$0	\$0	\$162,750
Equipment	\$0	\$0	\$0	\$0	\$0	\$19,001
Contingency	\$0	\$0	\$0	\$0	\$0	\$1,833,266
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$24,749,095</b>

**Operating Description:**

Specific scope will determine the additional operations and maintenance costs which could include utilities for additional lighting and signage maintenance, contracts for cleaning trails and rest nodes, landscape maintenance, water costs, and building maintenance for repairs and maintenance of drinking fountains and walkway lights. Staffing is a Service Worker II position with benefits. Other operating calculations have been based on 50 acres. Proposed 150 walkway lights at \$144 each, utilities at \$1,191 per acre plus inflation, supplies/contracts at \$601 per acre plus inflation, landscape maintenance at \$0.0927 per square foot, landscape water at \$0.0495 square foot. plus inflation, vehicle replacement is for a compact pickup with maintenance.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Staffing	\$0	\$0	\$0	\$0	\$0	\$272,646
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$185,788
Utilities	\$0	\$0	\$0	\$0	\$0	\$346,423
Bldg. Maint.	\$0	\$0	\$0	\$0	\$0	\$96,564
Equip. Maint.	\$0	\$0	\$0	\$0	\$0	\$21,600
PC/Vehicle Replacement	\$0	\$0	\$0	\$0	\$0	\$31,984
Landscape	\$0	\$0	\$0	\$0	\$0	\$1,039,787
Water	\$0	\$0	\$0	\$0	\$0	\$555,220
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,550,012</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** 70005 - West Valley Multi-Modal Corrid (N)

**Funding Source:** General Obligation Bonds

**Project Description:**

Multi-modal trail system along New River and Agua Fria River Corridor as per the Maricopa Association of Governments West Valley Rivers Trails Plan. The trail system will link with other trails in and around the City of Glendale connecting parks and other recreation facilities.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$540,555
Construction	\$0	\$0	\$0	\$0	\$0	\$1,544,414
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$58,196
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$55,000
Arts	\$0	\$0	\$0	\$0	\$0	\$15,444
Contingency	\$0	\$0	\$0	\$0	\$0	\$177,089
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,390,698</b>

**Operating Description:**

Supplies and contracts include \$601x 10 acres. Building maintenance costs include 34 low-level security lights for rest nodes and trail at \$75 per light and \$13 per lamp for bulb replacement. Landscape includes maintenance of approximately 435,600 sq ft x \$.0927 per sq ft, water at \$.0495 per sq ft x 435,600 sq ft, and ramada cleaning/maintenance at \$4,000 per ramada x three ramadas. Water includes park without restroom (three drinking fountains) x \$66.42 annually.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$38,097
Bldg. Maint.	\$0	\$0	\$0	\$0	\$0	\$18,968
Landscape	\$0	\$0	\$0	\$0	\$0	\$468,749
Water	\$0	\$0	\$0	\$0	\$0	\$1,263
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$527,077</b>

**Project:** T1600 - Multi-Use Bridge at 51st Ave. (N)

**Funding Source:** General Obligation Bonds

**Project Description:**

Pedestrian, bicycle and equestrian bridge to cross Arizona Canal on the south-west side of Thunderbird Paseo Linear Park and 51st Avenue to the south side of Cactus Road, to link neighborhoods to the Thunderbird Paseo Linear Park and Regional Sun Circle Trail. This bridge would be about 1/4 mile west of the Sunnyside Bridge and separated by 51st Avenue.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$73,551
Construction	\$0	\$0	\$0	\$0	\$0	\$294,206
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$10,690
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$18,020
Arts	\$0	\$0	\$0	\$0	\$0	\$2,942
Contingency	\$0	\$0	\$0	\$0	\$0	\$31,953
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$431,362</b>

**Operating Description:**

Supplies/Contract to clean, inspect and make any repairs to the bridge that are needed on an annual basis computed at \$55.50 a linear foot. Building Maintenance is \$2.00 sq ft X bridge surface (840 sq ft).

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Supplies/Contr	\$0	\$0	\$0	\$0	\$0	\$23,953
Bldg. Maint.	\$0	\$0	\$0	\$0	\$0	\$8,400
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,353</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

## FY 2011-2020 Capital Improvement Plan

### Capital Project Expenses Detail

#### 2140 - Open Space/Trails Construction

**Category: 20%**

**Project:** T1610 - WARP - Trail System (N)

**Funding Source:** General Obligation Bonds

**Project Description:**

Develop and enhance approximately 2.5 miles of meandering trail system within the western area regional park. This project will link the existing Grand Canal Linear Park Trail and eliminate the need of crossing surface streets. Develop an Americans with Disabilities Act (ADA) accessible concrete trail, ramadas, landscape, irrigation, drinking fountain, picnic tables, park benches, and small rest nodes that service parks users as well as Grand Canal Linear Park and trail users.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Design	\$0	\$0	\$0	\$0	\$0	\$1,467,688
Construction	\$0	\$0	\$0	\$0	\$0	\$4,193,396
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$167,801
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$92,500
Arts	\$0	\$0	\$0	\$0	\$0	\$41,934
Contingency	\$0	\$0	\$0	\$0	\$0	\$510,613
Miscellaneous/Other	\$0	\$0	\$0	\$0	\$0	\$419,339
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,893,271</b>

**Operating Description:**

No additional O and M is needed at this time. Operating and maintenance costs are included in the Western Area Regional Park (2060-70532) operation budget.

**Project:** T1761 - New River Bike Trail (N)

**Funding Source:** General Obligation Bonds

**Project Description:**

Construct a 1,500-foot long multiuse path from an existing pathway just north of the Paraiso Drive alignment to Hillcrest Boulevard. The project will complete a safe and convenient, off-street connection from Pinnacle Peak Road to existing Hillcrest Road and 75th Avenue bike routes.

**Capital Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Land	\$0	\$0	\$0	\$0	\$0	\$40,000
Design	\$0	\$0	\$0	\$0	\$0	\$25,000
Construction	\$0	\$0	\$0	\$0	\$0	\$250,024
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$9,185
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$13,476
Arts	\$0	\$0	\$0	\$0	\$0	\$2,500
Contingency	\$0	\$0	\$0	\$0	\$0	\$27,215
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$367,400</b>

**Operating Description:**

O and M associated with 7-foot wide landscaped area along a 12,200-foot long multi-use pathway.

**Operating Costs:**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FYs 16-20
Utilities	\$0	\$0	\$0	\$0	\$0	\$14,618
Landscape	\$0	\$0	\$0	\$0	\$0	\$29,230
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$43,848</b>

\* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset